

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	[DIRECTIONAL CASING DRILLING]
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Application Number :

Confirmation Number:

First Named Applicant: Keith Moriarty

Attorney Docket Number: 19.0318





















Art Unit:





Examiner:

Search string: (5117927 or 5845722 or 5950742 or 5839519 or 6263987 or 5472057 or 4842081 or 5755289 or 6311792 or 6227306 or 6196336 or 6199641 or 5197553 or 5452967 or 5219028 or 5456326 or 6182776 or 6158531 or 5662170 or 5255741 or 6102119 or 5921332 or 5082069 or 5957225 or 20020175003 or 20020179336 or 20020050360 or 20020040787).pn

US Patent Documents





Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5117927	1992-06-02	Askew			
	2	5845722	1998-12-08	Makohl et al.			
	3	5950742	1999-09-14	Caraway			
	4	5839519	1998-11-24	Spedale, Jr.			
	5	6263987	2001-07-24	Vail, III			
	6	5472057	1995-12-05	Winfree			
	7	4842081	1989-06-27	Parant			
	8	5755289	1998-05-26	Angman et al.			
	9	6311792	2001-11-06	Scott et al.			
	10	6227306	2001-05-08	Downie et al.			
	11	6196336	2001-03-06	Fincher et al.			
	12	6199641	2001-03-13	Downie et al.			
	13	5197553	1993-03-30	Leturno			
	14	5452967	1995-09-26	Fuller			
	15	5219028	1993-06-15	Martin et al.			
	16	5456326	1995-10-10	Raines			
	17	6182776	2001-02-06	Asberg			
	18	6158531	2000-12-12	Vail, III			
	19	5662170	1997-09-02	Donovan et al.			
	20	5255741	1993-10-26	Alexander			

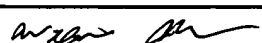
	21	6102119	2000-08-15	Raines			
	22	5921332	1999-07-13	Spedale, Jr.			
	23	5082069	1992-01-21	Seiler et al.			
	24	5957225	1999-09-28	Sinor			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020175003	2002-11-28	Pisoni et al.			
	2	20020179336	2002-12-05	Schaaf et al.			
	3	20020050360	2002-05-02	Cook et al.			
	4	20020040787	2002-04-11	Cook et al.			

Signature

Examiner Name	Date
	6/1/05

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Use several sheets if necessary)

APPLICANT:

Keith A. Moriarty et al.

FILING DATE:
10/02/2003

GROUP

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
AA			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation	
					Yes	No
	AB	EP0462618A2	12/27/91	Europe		
	AC	WO02/14649A1	02/21/02	PCT		
	AD	WO01/94739A1	12/13/01	PCT		
	AE	WO01/94738A1	12/13/01	PCT		
	AF	WO00/50730	08/31/00	PCT		
	AG	WO01/86111A1	11/15/01	PCT		
	AH	WO02/10549A2	02/07/02	PCT		
	AI	WO01/83932A1	11/08/01	PCT		
	AJ	WO00/37771	06/29/00	PCT		

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

